

1 - Metals in Lubricating Oil

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

1(1)- Metals in Lubricating Oil

Elemental Composition (mass fraction in mg/kg unless noted by an asterik * for %)

SRM	Description	Unit Size	Aluminum (Al)	Arsenic (As)	Barium (Ba)	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Chlorine (Cl)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Hydrogen (H)	Iron (Fe)	Lead (Pb)	Magnesium (Mg)
1083	Wear-Metals in Lubricating Oil	150 mL	<0.5)				<0.04)		<1.7)	<0.02)	<0.01)	<0.5)		<1)	<0.04)	<0.1)
1085b	Wear Metals in Lubricating Oil	set (5)	300.4	51.3	(314)	(300)	302.9	(298)	57.6	302.9		295.6		301.2	297.7	297.3
1848	Lubricating Oil Additive Package	100 g				0.137*		0.359*	927				12.3*			0.821*

- Certified values are normal font
- Reference values are italicized
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Manganese
(Mn)
(0.005)
(289)

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Elemental Composition (mass fraction in mg/kg unless noted by an asterik * for %)														
SRM	Description	Unit Size	Molybdenum (Mo)	Nickel (Ni)	Nitrogen (N)	Phosphorus (P)	Silicon (Si)	Silver (Ag)	Sodium (Na)	Sulfur (S)	Tin (Sn)	Titanium (Ti)	Vanadium (V)	Zinc (Zn)
1083	Wear-Metals in Lubricating Oil	150 mL	<0.01	<0.4			<1	<0.05	<0.06	(980)	<0.4	<5	<0.3	<0.08
1085b	Wear Metals in Lubricating Oil	set (5)	(296)	295.9		299.9	300.2	304.6	305.2		(294)	301.1	297.8	296.8
1848	Lubricating Oil Additive Package	100 g			0.57*	0.788*	50			2.3270*				0.873*

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